POTENTIAL COURSE SEQUENCING FOR ESU’s B.S. IN BIOLOGICAL SCIENCES, ECOLOGY & BIODIVERSITY (EB) CONCENTRATION

This is a potential 8-semester schedule for students entering ESU for the first time who seek a B.S. degree in Biology: Ecology & Biodiversity Concentration. It models completion of the General Education and Biology requirements with the 124 hours required to graduate, including 45 hours numbered 300 or above (semester credit hours listed at the bottom of each semester). It is critical that entering students be academically prepared and eligible to enroll in first-semester math and science courses in order to potentially complete this degree within 8 semesters.

Note that “Upper Division Biology Electives” must cover each of three EB sub-areas of aquatic, terrestrial, and applied ecology (see EB curriculum); at least 2 other hours of “Elective” must be ≥ 300-level classes to sum to the university graduation requirement of ≥ 45 hours of upper division courses. Note on the EB curriculum guide that multiple options are listed for the “upper division animal survey course” and “statistics” requirements.

This schedule has been created as a guide, and is not considered an official document. Students are responsible for checking for required prerequisites in the University Catalog for all courses listed. For further information about meeting degree requirements, consult your academic advisor and the University Catalog.

Semester 1 (Fall) (15-17 hours)
- GB140/141 Principles of Biology/Lab (4)
- PH140/141 College Physics I/ Lab (5)
- EG101 Composition I (3)
- Math General Education course (MA110 or MA165) (3-5)

Semester 2 (Spring) (15 hours)
- BO212/213 or ZO214/215 (4)
- CH123/124 Chemistry I/ Lab (5)
- EG102 Composition II (3)
- One other General Education Course (3)

Semester 3 (Fall) (15 hrs)
- BO212/213 or ZO214/215 (4)
- CH126/127 Chemistry II/ Lab (5)
- General Education courses (6)

Semester 4 (Spring) (16 hrs)
- EB480 Ecology (3)
- MC316/317 Microbiology/Lab (4)
- MA 352 Intro to Bio Stats (3)
- General Education courses (6)

Semester 5 (Fall) (17-18 hrs)
- GB425 Genetics (3)
- EB481 Field Ecology (2)
- General Education course (3)
- Upper Division Elective in Biology (3-4)
- Electives (6)

Semester 6 (Spring) (15 hrs)
- ZO556/557 Natural Hist. Verts./ Lab (4)
- BO542/543 Plant Taxonomy/Lab (4)
- General Education course (3)
- Upper Division Elective in Biology (4)

Semester 7 (Fall) (16-18 hrs)
- EB409PB Ecology & Biodiversity Project (2)
- Upper Division Electives in Biology (8)
- General Education courses (6-8)

Semester 8 (Spring) (15 hrs)
- GB480 Senior Experience in Biology (1)
- GB725 Evolution or other Elective (3)
- Upper Division Elective in Biology (4)
- Electives (7)

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